

## NOAA ESRL Radioactive Material Training

1. The U. S. Nuclear Regulatory Commission materials license for NOAA ESRL (license number 05-11997-01) permits the use of nickel-63 (Ni-63), polonium-210 (Po-210), and americium-241 (Am-241). Use of other radioactive materials is allowed under certain conditions. Please check with the Radiation Safety Officer (RSO) or Assistant RSO for more information. The ESRL RSO is John Schneider (303-497-4646) and the Assistant RSOs are Brian Vasel for GMD (303-497-6655) and Ann Middlebrook for CSD (303-497-7324).
2. These materials must be sealed (embedded under a thin metal layer) and remain sealed. **DO NOT TAKE THEM APART.**
3. These materials cannot be disposed in the trash; they must be returned to the manufacturer for disposal. **DO NOT THROW THEM AWAY.**
4. These materials must be **LOCKED OR UNDER SURVEILLANCE AT ALL TIMES.**
5. If any of these materials are stolen, damaged, or opened, immediately notify the RSO or Assistant RSO.
6. Radioactive material must be labeled with the words "CAUTION: RADIOACTIVE MATERIAL" along with the type of material, the activity, and a reference date.
7. The RSO/Assistant RSO will maintain an inventory and conduct audits of radioactive materials. The RSO or Assistant RSO **MUST APPROVE** of purchases or new initial leases of radioactive materials. The RSO or Assistant RSO must be notified whenever a lease is terminated or not renewed.
8. The RSO or Assistant RSO must be notified **PRIOR** to any transfer of radioactive material TO/FROM another institution that will assume responsibility for the material under their license, or ours, and leak tests must be performed.
9. **The RSO or Assistant RSO must be notified whenever radioactive material is relocated.**
10. Serial numbers of Po-210 units must be tracked by the authorized users/users (date received, location, and return notice from the manufacturer).
11. The RSO or Assistant RSO will perform leak tests of radioactive material periodically. If a leak test result is above acceptable limits, the RSO/Assistant RSO will notify users, remove the radioactive material from service, and make the required notifications.
12. Electron capture detectors (ECDs) must be temperature controlled.

*I have read and understand the above information and have been instructed by personnel familiar with the equipment as to the specific operation of each unit that I may be required to use.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name